

EXHIBIT 29
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CONTOUR PROTECTION
Four Him Enterprises, LLC
Potosi, MO

The proposed KHZR facilities are short spaced to two stations under the separation requirements outlined in Section 73.207 of the FCC Rules:^{1,2}

WQUL	West Frankfort, IL	Channel 249A
KYKY	St. Louis, MO	Channel 251C1

The short spacing to WQUL is permitted by Section 73.215 of the FCC Rules, so long as the necessary contour protection is provided to WQUL. This short spacing does comply with the table in Section 73.215(e) of the FCC Rules, which specifies the minimum separation at which contour protection may be employed. Since WQUL operates on the same channel as the proposed KHZR facilities, Section 73.215 of the FCC Rules states that there can be no overlap between the 60 dBu contour for the proposed KHZR facilities and the 40 dBu contour for WQUL. Furthermore, there can be no overlap between the WQUL 60 dBu contour and the proposed KHZR 40 dBu contour. Pursuant to Section 73.215(b)(2)(ii) of the FCC Rules, the contour projections for WQUL assume operation with an effective radiated power of 6 kilowatts at 100 meters above

¹The data contained in the FCC's Consolidated Database System ("CDBS") appears to indicate that the proposed KHZR facilities are also short spaced to a vacant allotment on Channel 247A in Arcadia, Missouri. This appears to be the result of a database error, however, as the *Report and Order* in MM Docket 97-168 allotted Channel 280A to Arcadia, and not Channel 247A, which was an alternate proposal in this proceeding. This was confirmed by the FCC in their March 17, 2000 *Memorandum Opinion and Order* in MM Docket 97-168, which clarified this situation by correcting a typographic error in the original *Report and Order* in this proceeding. This is further confirmed by the fact that KTNX presently holds a construction permit (BNPH-20050103AEV) for operation on Channel 280A in Arcadia.

²The proposed KHZR facilities are also short spaced to the presently licensed facilities of KDAA - Rolla, Missouri on FM Channel 248A. The *Report and Order* in MM Docket 01-151, which allotted Channel 249C2 to Potosi, Missouri for use by KHZR also allotted Channel 276A to Rolla for use by KDAA to accommodate the allotment of Channel 249C2 to Potosi. As a result, this short spacing to the presently licensed KDAA facilities should not be an impediment to the grant of the attached application.

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average terrain, the maximum facilities permitted for a Class A station. Terrain data from the NGDC 30 second terrain database was used in projecting the WQUL contours.

The short spacing to KYKY is also permitted by Section 73.215 of the FCC Rules, so long as the necessary contour protection is provided to KYKY. This short spacing also complies with the table in Section 73.215(e) of the FCC Rules which specifies the minimum separation at which contour protection may be employed. Since KYKY operates on a second adjacent channel to the proposed KHZR facilities, Section 73.215 of the FCC Rules states that there can be no overlap between the 60 dBu contour for the proposed KHZR facilities and the 100 dBu contour for KYKY. Furthermore, there can be no overlap between the KYKY 60 dBu contour and the proposed KHZR 100 dBu contour. Pursuant to Section 73.215(b)(2)(ii) of the FCC Rules, the contour projections for KYKY assume operation with an effective radiated power of 100 kilowatts at 299 meters above average terrain, the maximum facilities permitted for a Class C1 station. Terrain data from the NGDC 30 second terrain database was also used in projecting the KYKY contours.

Tables 29.0(a) and 29.0(b) present the projections of the appropriate contours for WQUL assuming an antenna height of 237 meters above mean sea level. Tables 29.1(a) and 29.1(b) present the appropriate contours for KYKY assuming an antenna height of 452 meters above mean sea level. Finally, Tables 29.2(a) through 29.1(c) present the projections of the appropriate contours for the proposed KHZR facilities. These contours were projected using the actual proposed operating facilities and ter-

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rain data extracted from the NGDC 30 second terrain database. Figure 29.0 shows all of these contours on an appropriate map base. As can be seen from this figure, no prohibited contour overlap will occur between the proposed KHZR facilities and either of these other two stations. Thus, the proposed KHZR facilities will provide the required contour protection to both WQUL and KYKY, pursuant to Section 73.215 of the FCC Rules.

WQUL CH249A
60.0 dBu CONTOUR
(F(50,50) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	126.3	110.7	7.78	6.000 29.7
10.0	132.1	104.9	7.78	6.000 28.9
20.0	137.8	99.2	7.78	6.000 28.2
30.0	140.1	96.9	7.78	6.000 27.9
40.0	143.6	93.4	7.78	6.000 27.4
45.0 *	145.9	91.1	7.78	6.000 27.1
50.0	148.4	88.6	7.78	6.000 26.7
60.0	153.0	84.0	7.78	6.000 26.1
70.0	150.3	86.7	7.78	6.000 26.5
80.0	148.8	88.2	7.78	6.000 26.7
90.0 *	147.1	89.9	7.78	6.000 26.9
100.0	143.4	93.6	7.78	6.000 27.4
110.0	144.2	92.8	7.78	6.000 27.3
120.0	139.2	97.8	7.78	6.000 28.0
130.0	138.9	98.1	7.78	6.000 28.0
135.0 *	141.5	95.5	7.78	6.000 27.7
140.0	142.1	94.9	7.78	6.000 27.6
150.0	142.4	94.6	7.78	6.000 27.6
160.0	148.2	88.8	7.78	6.000 26.7
170.0	144.5	92.5	7.78	6.000 27.3
180.0 *	142.9	94.1	7.78	6.000 27.5
190.0	141.3	95.7	7.78	6.000 27.7
200.0	147.9	89.1	7.78	6.000 26.8
210.0	138.5	98.5	7.78	6.000 28.1
220.0	132.9	104.1	7.78	6.000 28.8
225.0 *	131.4	105.6	7.78	6.000 29.0
230.0	129.9	107.1	7.78	6.000 29.2
240.0	128.6	108.4	7.78	6.000 29.4
250.0	128.6	108.4	7.78	6.000 29.4
260.0	131.6	105.4	7.78	6.000 29.0
270.0 *	137.0	100.0	7.78	6.000 28.3
280.0	135.6	101.4	7.78	6.000 28.5
290.0	130.9	106.1	7.78	6.000 29.1
300.0	125.5	111.5	7.78	6.000 29.8
310.0	121.4	115.6	7.78	6.000 30.2
315.0 *	120.1	116.9	7.78	6.000 30.4
320.0	119.1	117.9	7.78	6.000 30.5
330.0	119.9	117.1	7.78	6.000 30.4
340.0	119.4	117.6	7.78	6.000 30.5
350.0	119.8	117.2	7.78	6.000 30.4

AVERAGE(*) = 136.5 meters

TABLE 29.0(a)

WQUL PREDICTED 60 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

WQUL CH249A
40.0 dBu CONTOUR
(F(50,10) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	126.3	110.7	7.78	88.4
10.0	132.1	104.9	7.78	87.5
20.0	137.8	99.2	7.78	86.5
30.0	140.1	96.9	7.78	86.1
40.0	143.6	93.4	7.78	85.5
45.0 *	145.9	91.1	7.78	85.1
50.0	148.4	88.6	7.78	84.7
60.0	153.0	84.0	7.78	83.9
70.0	150.3	86.7	7.78	84.4
80.0	148.8	88.2	7.78	84.6
90.0 *	147.1	89.9	7.78	84.9
100.0	143.4	93.6	7.78	85.6
110.0	144.2	92.8	7.78	85.4
120.0	139.2	97.8	7.78	86.3
130.0	138.9	98.1	7.78	86.3
135.0 *	141.5	95.5	7.78	85.9
140.0	142.1	94.9	7.78	85.8
150.0	142.4	94.6	7.78	85.7
160.0	148.2	88.8	7.78	84.7
170.0	144.5	92.5	7.78	85.4
180.0 *	142.9	94.1	7.78	85.7
190.0	141.3	95.7	7.78	85.9
200.0	147.9	89.1	7.78	84.8
210.0	138.5	98.5	7.78	86.4
220.0	132.9	104.1	7.78	87.4
225.0 *	131.4	105.6	7.78	87.6
230.0	129.9	107.1	7.78	87.8
240.0	128.6	108.4	7.78	88.0
250.0	128.6	108.4	7.78	88.1
260.0	131.6	105.4	7.78	87.6
270.0 *	137.0	100.0	7.78	86.7
280.0	135.6	101.4	7.78	86.9
290.0	130.9	106.1	7.78	87.7
300.0	125.5	111.5	7.78	88.5
310.0	121.4	115.6	7.78	89.2
315.0 *	120.1	116.9	7.78	89.4
320.0	119.1	117.9	7.78	89.6
330.0	119.9	117.1	7.78	89.4
340.0	119.4	117.6	7.78	89.5
350.0	119.8	117.2	7.78	89.4

AVERAGE(*) = 136.5 meters

TABLE 29.0(b)

WQUL PREDICTED 40 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

KYKY CH251C1
60.0 dBu CONTOUR
(F(50,50) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	164.4	287.6	20.00	100.000
10.0	163.3	288.7	20.00	100.000
20.0	154.2	297.8	20.00	100.000
30.0	148.8	303.2	20.00	100.000
40.0	147.7	304.3	20.00	100.000
45.0 *	146.2	305.8	20.00	100.000
50.0	148.3	303.7	20.00	100.000
60.0	142.2	309.8	20.00	100.000
70.0	141.1	310.9	20.00	100.000
80.0	134.0	318.0	20.00	100.000
90.0 *	128.9	323.1	20.00	100.000
100.0	124.9	327.1	20.00	100.000
110.0	130.0	322.0	20.00	100.000
120.0	135.2	316.8	20.00	100.000
130.0	134.7	317.3	20.00	100.000
135.0 *	129.4	322.6	20.00	100.000
140.0	128.8	323.2	20.00	100.000
150.0	129.5	322.5	20.00	100.000
160.0	134.8	317.2	20.00	100.000
170.0	152.3	299.7	20.00	100.000
180.0 *	158.1	293.9	20.00	100.000
190.0	148.3	303.7	20.00	100.000
200.0	157.2	294.8	20.00	100.000
210.0	158.8	293.2	20.00	100.000
220.0	156.8	295.2	20.00	100.000
225.0 *	159.6	292.4	20.00	100.000
230.0	160.9	291.1	20.00	100.000
240.0	162.0	290.0	20.00	100.000
250.0	162.1	289.9	20.00	100.000
260.0	156.1	295.9	20.00	100.000
270.0 *	171.2	280.8	20.00	100.000
280.0	170.1	281.9	20.00	100.000
290.0	183.3	268.7	20.00	100.000
300.0	178.8	273.2	20.00	100.000
310.0	171.9	280.1	20.00	100.000
315.0 *	167.8	284.2	20.00	100.000
320.0	164.0	288.0	20.00	100.000
330.0	173.4	278.6	20.00	100.000
340.0	170.3	281.7	20.00	100.000
350.0	166.6	285.4	20.00	100.000

AVERAGE(*) = 153.2 meters

TABLE 29.1(a)

KYKY PREDICTED 60 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

KYKY CH251C1
100.0 dBu CONTOUR
(F(50, 10) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN ELEVATION	ANTENNA HAAT	HORIZONTAL ERP		DISTANCE TO CONTOUR
	(meters)	(meters)	(dBk)	(kW)	(km)
0.0 *	164.4	287.6	20.00	100.000	9.9
10.0	163.3	288.7	20.00	100.000	9.9
20.0	154.2	297.8	20.00	100.000	10.1
30.0	148.8	303.2	20.00	100.000	10.2
40.0	147.7	304.3	20.00	100.000	10.2
45.0 *	146.2	305.8	20.00	100.000	10.2
50.0	148.3	303.7	20.00	100.000	10.2
60.0	142.2	309.8	20.00	100.000	10.3
70.0	141.1	310.9	20.00	100.000	10.3
80.0	134.0	318.0	20.00	100.000	10.4
90.0 *	128.9	323.1	20.00	100.000	10.5
100.0	124.9	327.1	20.00	100.000	10.5
110.0	130.0	322.0	20.00	100.000	10.5
120.0	135.2	316.8	20.00	100.000	10.4
130.0	134.7	317.3	20.00	100.000	10.4
135.0 *	129.4	322.6	20.00	100.000	10.5
140.0	128.8	323.2	20.00	100.000	10.5
150.0	129.5	322.5	20.00	100.000	10.5
160.0	134.8	317.2	20.00	100.000	10.4
170.0	152.3	299.7	20.00	100.000	10.1
180.0 *	158.1	293.9	20.00	100.000	10.0
190.0	148.3	303.7	20.00	100.000	10.2
200.0	157.2	294.8	20.00	100.000	10.0
210.0	158.8	293.2	20.00	100.000	10.0
220.0	156.8	295.2	20.00	100.000	10.1
225.0 *	159.6	292.4	20.00	100.000	10.0
230.0	160.9	291.1	20.00	100.000	10.0
240.0	162.0	290.0	20.00	100.000	10.0
250.0	162.1	289.9	20.00	100.000	10.0
260.0	156.1	295.9	20.00	100.000	10.1
270.0 *	171.2	280.8	20.00	100.000	9.8
280.0	170.1	281.9	20.00	100.000	9.8
290.0	183.3	268.7	20.00	100.000	9.6
300.0	178.8	273.2	20.00	100.000	9.7
310.0	171.9	280.1	20.00	100.000	9.8
315.0 *	167.8	284.2	20.00	100.000	9.9
320.0	164.0	288.0	20.00	100.000	9.9
330.0	173.4	278.6	20.00	100.000	9.8
340.0	170.3	281.7	20.00	100.000	9.8
350.0	166.6	285.4	20.00	100.000	9.9

AVERAGE(*) = 153.2 meters

TABLE 29.1(b)

KYKY PREDICTED 100 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

KHZR PROPOSED CH249C2
60.0 dBu CONTOUR
(F(50,50) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	248.8	234.2	14.23	26.500
10.0	240.5	242.5	14.23	26.500
20.0	260.1	222.9	14.23	26.500
30.0	267.0	216.0	14.23	26.500
40.0	253.9	229.1	14.23	26.500
45.0 *	251.7	231.3	14.23	26.500
50.0	240.8	242.2	14.23	26.500
60.0	239.6	243.4	14.23	26.500
70.0	240.0	243.0	14.23	26.500
80.0	238.2	244.8	14.23	26.500
90.0 *	245.9	237.1	14.23	26.500
100.0	261.9	221.1	14.23	26.500
110.0	278.7	204.3	14.23	26.500
120.0	283.1	199.9	14.23	26.500
130.0	274.4	208.6	14.23	26.500
135.0 *	275.7	207.3	14.23	26.500
140.0	275.7	207.3	14.23	26.500
150.0	278.4	204.6	14.23	26.500
160.0	286.0	197.0	14.23	26.500
170.0	302.1	180.9	14.23	26.500
180.0 *	307.4	175.6	14.23	26.500
190.0	312.3	170.7	14.23	26.500
200.0	323.2	159.8	14.23	26.500
210.0	329.8	153.2	14.23	26.500
220.0	327.7	155.3	14.23	26.500
225.0 *	320.9	162.1	14.23	26.500
230.0	317.6	165.4	14.23	26.500
240.0	306.2	176.8	14.23	26.500
250.0	299.4	183.6	14.23	26.500
260.0	299.5	183.5	14.23	26.500
270.0 *	286.9	196.1	14.23	26.500
280.0	275.8	207.2	14.23	26.500
290.0	272.6	210.4	14.23	26.500
300.0	254.2	228.8	14.23	26.500
310.0	254.4	228.6	14.23	26.500
315.0 *	268.4	214.6	14.23	26.500
320.0	270.8	212.2	14.23	26.500
330.0	263.5	219.5	14.23	26.500
340.0	267.2	215.8	14.23	26.500
350.0	259.4	223.6	14.23	26.500

AVERAGE(*) = 275.7 meters

TABLE 29.2(a)

KHZR PROPOSED 60 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

KHZR PROPOSED CH249C2
100.0 dBu CONTOUR
(F(50,10) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	248.8	234.2	14.23	26.500
10.0	240.5	242.5	14.23	26.500
20.0	260.1	222.9	14.23	26.500
30.0	267.0	216.0	14.23	26.500
40.0	253.9	229.1	14.23	26.500
45.0 *	251.7	231.3	14.23	26.500
50.0	240.8	242.2	14.23	26.500
60.0	239.6	243.4	14.23	26.500
70.0	240.0	243.0	14.23	26.500
80.0	238.2	244.8	14.23	26.500
90.0 *	245.9	237.1	14.23	26.500
100.0	261.9	221.1	14.23	26.500
110.0	278.7	204.3	14.23	26.500
120.0	283.1	199.9	14.23	26.500
130.0	274.4	208.6	14.23	26.500
135.0 *	275.7	207.3	14.23	26.500
140.0	275.7	207.3	14.23	26.500
150.0	278.4	204.6	14.23	26.500
160.0	286.0	197.0	14.23	26.500
170.0	302.1	180.9	14.23	26.500
180.0 *	307.4	175.6	14.23	26.500
190.0	312.3	170.7	14.23	26.500
200.0	323.2	159.8	14.23	26.500
210.0	329.8	153.2	14.23	26.500
220.0	327.7	155.3	14.23	26.500
225.0 *	320.9	162.1	14.23	26.500
230.0	317.6	165.4	14.23	26.500
240.0	306.2	176.8	14.23	26.500
250.0	299.4	183.6	14.23	26.500
260.0	299.5	183.5	14.23	26.500
270.0 *	286.9	196.1	14.23	26.500
280.0	275.8	207.2	14.23	26.500
290.0	272.6	210.4	14.23	26.500
300.0	254.2	228.8	14.23	26.500
310.0	254.4	228.6	14.23	26.500
315.0 *	268.4	214.6	14.23	26.500
320.0	270.8	212.2	14.23	26.500
330.0	263.5	219.5	14.23	26.500
340.0	267.2	215.8	14.23	26.500
350.0	259.4	223.6	14.23	26.500

AVERAGE(*) = 275.7 meters

TABLE 29.2(b)

KHZR PROPOSED 100 dBu CONTOUR

Four Him Enterprises, LLC
Potosi, MO

KHZR PROPOSED CH249C2
40.0 dBu CONTOUR
(F(50,10) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN (meters)	ANTENNA HAAT (meters)	HORIZONTAL ERP (dBk)	DISTANCE TO CONTOUR (km)
0.0 *	248.8	234.2	14.23	26.500 133.9
10.0	240.5	242.5	14.23	26.500 134.9
20.0	260.1	222.9	14.23	26.500 132.6
30.0	267.0	216.0	14.23	26.500 131.8
40.0	253.9	229.1	14.23	26.500 133.3
45.0 *	251.7	231.3	14.23	26.500 133.6
50.0	240.8	242.2	14.23	26.500 134.9
60.0	239.6	243.4	14.23	26.500 135.0
70.0	240.0	243.0	14.23	26.500 134.9
80.0	238.2	244.8	14.23	26.500 135.1
90.0 *	245.9	237.1	14.23	26.500 134.3
100.0	261.9	221.1	14.23	26.500 132.4
110.0	278.7	204.3	14.23	26.500 130.4
120.0	283.1	199.9	14.23	26.500 129.9
130.0	274.4	208.6	14.23	26.500 130.9
135.0 *	275.7	207.3	14.23	26.500 130.8
140.0	275.7	207.3	14.23	26.500 130.8
150.0	278.4	204.6	14.23	26.500 130.4
160.0	286.0	197.0	14.23	26.500 129.6
170.0	302.1	180.9	14.23	26.500 127.7
180.0 *	307.4	175.6	14.23	26.500 127.0
190.0	312.3	170.7	14.23	26.500 126.4
200.0	323.2	159.8	14.23	26.500 124.9
210.0	329.8	153.2	14.23	26.500 123.9
220.0	327.7	155.3	14.23	26.500 124.2
225.0 *	320.9	162.1	14.23	26.500 125.2
230.0	317.6	165.4	14.23	26.500 125.7
240.0	306.2	176.8	14.23	26.500 127.2
250.0	299.4	183.6	14.23	26.500 128.0
260.0	299.5	183.5	14.23	26.500 128.0
270.0 *	286.9	196.1	14.23	26.500 129.4
280.0	275.8	207.2	14.23	26.500 130.8
290.0	272.6	210.4	14.23	26.500 131.1
300.0	254.2	228.8	14.23	26.500 133.3
310.0	254.4	228.6	14.23	26.500 133.3
315.0 *	268.4	214.6	14.23	26.500 131.6
320.0	270.8	212.2	14.23	26.500 131.3
330.0	263.5	219.5	14.23	26.500 132.2
340.0	267.2	215.8	14.23	26.500 131.8
350.0	259.4	223.6	14.23	26.500 132.7

AVERAGE(*) = 275.7 meters

TABLE 29.2(c)

KHZR PROPOSED 40 dBu CONTOUR

Four Him Enterprises, LLC
 Potosi, MO

